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Continuation Application

COMBINED DECLARATION AND POWER OF ATTORNEY
(Continuation or CIP Application)

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name,
I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **INHIBITORS OF DIPEPTIDYL-AMINOPEPTIDASE TYPE IV** the specification of which

_____ is attached hereto.

X was filed on OCTOBER 22, 1991
as Application Serial No. 07/781,552

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

| | | | | |
|-----------------|------------------|---------------------|--------------|-------------|
| _____ Number | _____ Country | _____ Date Filed | _____ Yes | _____ No |
| _____ Number | _____ Country | _____ Date Filed | _____ Yes | _____ No |
| _____ Number | _____ Country | _____ Date Filed | _____ Yes | _____ No |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|---|--|----------------------------|
| <u>07/510,274</u> (Application Serial No.) | <u>April 14, 1990</u> (Filing Date) | <u>Pending</u> (Status) |
| _____ (Application Serial No.) | _____ (Filing Date) | _____ (Status) |

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **Paul T. Clark,**
Reg. No. 30,162.

Address all telephone calls to Paul T. Clark at telephone no. (617) 542-5070.

COMBINED DECLARATION AND POWER OF ATTORNEY - CONTINUED
(Continuation or CIP Application)

Address all correspondence to Paul T. Clark Fish & Richardson, 225 Franklin Street, Boston, MA 02110-2804.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor WILLIAM W. BACHOVCHIN

Inventor's Signature

[Signature]

Date

Feb/13/92

Residence Melrose, Massachusetts 02176

Citizenship U.S.A.

Post Office Address 71 Warwick Road, Melrose, MA 02176

Full Name of Inventor ANDREW G. PLAUT

Inventor's Signature

Date

Residence Boston, Massachusetts 02111

Citizenship U.S.A.

Post Office Address 750 Washington Street, Boston, MA 02111

Full Name of Inventor GEORGE R. FLENTKE

Inventor's Signature

[Signature]

Date

11/30/92

Residence Boston, Massachusetts 02111

Citizenship U.S.A.

Post Office Address 136 Harrison Avenue, Boston, MA 02111

COMBINED DECLARATION AND POWER OF ATTORNEY
(Continuation or CIP Application)

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name,
I believe I am an original, first and joint inventor of the subject matter which is claimed and for
which a patent is sought on the invention entitled INHIBITORS OF DIPEPTIDYL-
AMINOPEPTIDASE TYPE IV the specification of which

_____ is attached hereto.

 X was filed on OCTOBER 22, 1991
as Application Serial No. 07/781,552

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I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

| | | | | |
|--------|---------|------------|-------|-------|
| _____ | _____ | _____ | _____ | _____ |
| Number | Country | Date Filed | Yes | No |
| _____ | _____ | _____ | _____ | _____ |
| Number | Country | Date Filed | Yes | No |
| _____ | _____ | _____ | _____ | _____ |
| Number | Country | Date Filed | Yes | No |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|--------------------------|-----------------------|----------------|
| <u>07/510,274</u> | <u>April 14, 1990</u> | <u>Pending</u> |
| (Application Serial No.) | (Filing Date) | (Status) |
| _____ | _____ | _____ |
| (Application Serial No.) | (Filing Date) | (Status) |

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Paul T. Clark,
Reg. No. 30,162.

Address all telephone calls to Paul T. Clark at telephone no. (617) 542-5070.

COMBINED DECLARATION AND POWER OF ATTORNEY - CONTINUED
(Continuation or CIP Application)

Address all correspondence to Paul T. Clark Fish & Richardson, 225 Franklin Street, Boston, MA 02110-2804.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor WILLIAM W. BACHOVCHIN

Inventor's Signature _____ Date _____

Residence Melrose, Massachusetts 02176

Citizenship U.S.A.

Post Office Address 71 Warwick Road, Melrose, MA 02176

Full Name of Inventor ANDREW G. PLAUT

Inventor's Signature _____

Date _____

Residence Boston, Massachusetts 02111

Citizenship U.S.A.

Post Office Address 750 Washington Street, Boston, MA 02111

Full Name of Inventor GEORGE R. FLENTKE

Inventor's Signature _____

Date _____

Residence Boston, Massachusetts 02111

Citizenship U.S.A.

Post Office Address 136 Harrison Avenue, Boston, MA 02111



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 05/01/92

TO:

FISH & RICHARDSON

ATTN: PAUL T. CLARK

225 FRANKLIN STREET

BOSTON, MA 02110-2804

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MAY 06 1992

FISH & RICHARDSON
BOSTON, MA

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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ASSIGNOR:

PLAUT, ANDREW G.

DOC DATE: 12/11/91

RECORDATION DATE: 02/24/92 NUMBER OF PAGES 002 REEL/FRAME 6048/0464

DIGEST :ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.
A MA CORPORATION
BOSTON, MASSACHUSETTS

SERIAL NUMBER 7-781552 FILING DATE 10/22/91
PATENT NUMBER ISSUE DATE 00/00/00

COPY

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WITNESS WHEREOF, I hereunto set my hand and seal at Madison, Wisconsin
this 15th day of August, 1995
George R. Flentke L.S.
GEORGE R. FLENTKE

STATE OF Wisconsin:
COUNTY OF Dane:SS.

Before me this 15th day of August, 1995, personally appeared GEORGE R. FLENTKE known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Joseph A. Meier
Notary Public
My Commission Expires: May 3, 1998

[Notary's Seal Here]

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5495/009002 13
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Washington, D.C. 20231

FEBRUARY 01, 1996

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ANITA L. MELKLEJOHN
FISH & RICHARDSON P.C.
225 FRANKLIN STREET
BOSTON, MA 02110-2802

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FISH & RICHARDSON P.C.
BOSTON, MA

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/18/1995

REEL/FRAME: 7635/0428
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
BACHOVCHIN, WILLIAM W.

DOC DATE: 08/15/1995

ASSIGNOR:
FLENTKE, GEORGE R.

DOC DATE: 09/01/1995

ASSIGNEE:
TRUSTEES OF TUFTS COLLEGE
MEDFORD, MASSACHUSETTS 02155

SERIAL NUMBER: 08093302
PATENT NUMBER: 5462928

FILING DATE: 07/15/1993
ISSUE DATE: 10/31/1995

SERIAL NUMBER: 08459654
PATENT NUMBER:

FILING DATE: 06/02/1995
ISSUE DATE:

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| Reviewed By Billing Secretary |
| Initials: _____ |

7635/0428 PAGE 2

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
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ASSIGNMENT

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For valuable consideration, we, William W. Bachovchin, of Melrose, MA;
George R. Flentke of Madison, WI; hereby assign to TRUSTEES OF TUFTS COLLEGE, a
MASSACHUSETTS corporation having a place of business at Medford, MA 02155, and its successors
and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout
the world in the inventions and improvements which are subject of the following applications for
United States Patent: application Serial No. 07/781,552, filed October 22, 1991, now application Serial
No. 08/093,302, filed July 15, 1993; and Patent application Serial No. 08/459,654, filed June 2, 1995,
both entitled INHIBITORS OF DIPEPTIDYL-AMINOPEPTIDASE TYPE IV

this assignment including said application, any and all United States and foreign patents, utility models,
and design registrations granted for any of said inventions or improvements, and the right to claim
priority based on the filing date of said application under the International Convention for the
Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention,
and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our
name or in its own name for patents, utility models, and design registrations and like rights of exclusion
and for inventors' certificates for said inventions and improvements; and we agree for ourselves and
our respective heirs, legal representatives and assigns, without further compensation to perform such
lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful
documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____

this 1 day of September, 1995
William W. Bachovchin L.S.
WILLIAM W. BACHOVCHIN

STATE OF Massachusetts:
COUNTY OF Suffolk:SS.

Before me this 1 day of September, 1995, personally appeared _____
WILLIAM W. BACHOVCHIN known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

Sean Donlon
Notary Public

SEAN DONLON
JUSTICE OF THE PEACE
COMMONWEALTH OF MASSACHUSETTS
COMMISSION EXPIRES JULY 8, 1999

[Notary's Seal Here]

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WITNESS WHEREOF, I hereunto set my hand and seal at Madison, Wisconsin

this 15th day of August, 1995

George R. Flentke
GEORGE R. FLENTKE

L.S.

STATE OF Wisconsin:

:SS.

COUNTY OF Dane:

Before me this 15th day of August, 1995, personally appeared GEORGE R. FLENTKE known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Joseph A. Meier
Notary Public
My Commission Expires: May 3, 1998

[Notary's Seal Here]

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ATTORNEY'S DOCKET NO. I0254/7002 (ERP) Date of Deposit: October 15, 1997

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William Bachovchin, et al.
Serial No: 08/459,654
Filed: June 2, 1995
For: INHIBITORS OF DIPEPTIDYL-AMINOPEPTIDASE TYPE IV

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ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

CERTIFICATE UNDER 37 C.F.R. §3.73(b)

TRUSTEES OF TUFTS COLLEGE, a Massachusetts corporation, certifies that it is an assignee of the right, title and interest in the patent application identified above by virtue of an assignment from inventors W. Bachovchin and G. Flentke of the patent application identified above. The assignment was filed with a Certificate of Mailing under 37 C.F.R. §1.8(a) at the U.S. Patent and Trademark Office on September 14, 1995 and was recorded on Reel 7635, Frame 0428. A copy of the Assignment, the appropriate recordation cover sheet, and the USPTO Notice of Recordation of Assignment Document are attached hereto.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title from inventors W. Bachovchin and G. Flentke is in the assignee identified above.

The undersigned (whose title is identified below) is empowered to sign this certificate on behalf of this assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

TRUSTEES OF TUFTS COLLEGE,

Date: 10/15/97

By: Joseph J. Byrne

Joseph J. Byrne, Ph.D.

Associate Provost for Research

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Express Mail Label Number :
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Date of Deposit: October 15, 1997

ATTORNEY'S DOCKET NO. I0254/7002 (ERP)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William Bachovchin, et al.
Serial No: 08/459,654
Filed: June 2, 1995
For: INHIBITORS OF DIPEPTIDYL-AMINOPEPTIDASE TYPE IV

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

CERTIFICATE UNDER 37 C.F.R. §3.73(b)

NEW ENGLAND MEDICAL CENTER HOSPITALS, INC., a Massachusetts corporation, certifies that it is an assignee of the right, title and interest in the patent application identified above by virtue of an assignment from inventor Andrew G. Plant of the patent application identified above. The assignment was recorded on Reel 6048, Frame 0464 in U.S. Serial No. 07/781,552. A copy of the USPTO Notice of Recordation of Assignment Document, together with a copy of the filing receipt for U.S. Serial No. 08/459,654 which shows the latter application is a divisional of a continuation of U.S. Serial No. 07/781,552, are attached hereto.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title from inventor Andrew G. Plant is in the assignee identified above.

The undersigned (whose title is identified below) is empowered to sign this certificate on behalf of this assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.

Date: 10/15/97

By: 

Christopher Dippel

Director, Technology Transfer

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

**REVOCATION OF PREVIOUS POWERS OF ATTORNEY AND
APPOINTMENT OF NEW ATTORNEY**

The undersigned, on behalf of the **Trustees of Tufts College, Ballou Hall, Medford, Massachusetts 02155**, an Assignee of rights, titles and interest in the following patent applications by virtue of Assignment documents of record in the Patent Office, hereby revokes powers of attorney heretofore granted with respect to the following patent applications:

- 1) U.S.S.N. **07/105,768**, filed October 9, 1987; entitled "Protease Inhibitors";
now issued as U.S. Patent 4,935,493;
- 2) U.S.S.N. **07/510,274**, filed April 14, 1990;
- 3) U.S.S.N. **07/781,552**, filed October 22, 1991, entitled "Inhibitors of Dipeptidyl-Aminopeptidase Type IV";
- 4) U.S.S.N. **08/093,302**, filed July 15, 1993, entitled "Inhibitors of Dipeptidyl-Aminopeptidase Type IV"; now issued as U.S. Patent 5,462,928;
- 5) U.S.S.N. **08/459,654**, filed June 2, 1995, entitled "Inhibitors of Dipeptidyl-Aminopeptidase Type IV";

6) U.S.S.N. 08/671,756, filed June 28, 1996, entitled "Multivalent Compounds for Crosslinking Receptors and Uses Thereof";

7) U.S.S.N. 60/077,180, filed June 28, 1996, entitled "Multivalent Compounds for Crosslinking Receptors and Uses Thereof";

8) U.S.S.N. 08/837,305, filed April 11, 1997, entitled "Multivalent Compounds for Crosslinking Receptors and Uses Thereof"; now issued as U.S. Patent 5,965,532;

9) U.S.S.N. 08/852,394, filed May 7, 1997, entitled "Treatment of HIV"; now issued as U.S. Patent 6,100,234;

10) U.S.S.N. 08/852,395, filed May 7, 1997, entitled "Potentiation of the Immune Response"; now issued as U.S. Patent 6,040,145;

~~11) U.S.S.N. 08/950,542, filed October 15, 1997, entitled "Inhibitors of Dipeptidyl-Aminopeptidase Type IV";~~

12) U.S.S.N. 09/289,321, filed April 6, 1999, entitled "Multivalent Compounds for Crosslinking Receptors and Uses Thereof";

13) U.S.S.N. 09/484,640, filed January 18, 2000, entitled "Treatment of HIV";

14) U.S.S.N. 09/491,855, filed January 26, 2000, entitled "Potentiation of the Immune Response";

and appoints the following attorneys and agents with full power of substitution and revocation to prosecute applications and transact all business in the U.S. Patent and Trademark Office connected therewith:

Sam Pasternack, Reg. No. 29,576
Brenda Herschbach Jarrell, Reg. No. 39,223
Kevin M. Tormey, Reg. No. 41,351
Karoline K. M. Shair, Reg. No. 44,332
Elizabeth E. Nugent, Reg. No. 43,839
Anne Marie Dinius, Reg. No. 45,592
Valarie B. Rosen, Reg. No. 45,698
Stanley C. Mah, Reg. No. 46,189
C. Hunter Baker, Reg. No. P-46,533
Monica R. Gerber, Reg. No. P-46,724
Choate, Hall & Stewart
53 State Street, Exchange Place
Boston, MA 02109

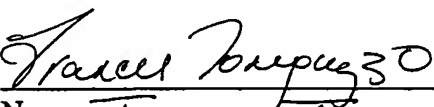
Effective immediately, all correspondence pertaining to the patent applications listed above should be directed to:

C. Hunter Baker, M.D., Ph.D.
Choate, Hall & Stewart
Exchange Place, 53 State Street
Boston, Massachusetts 02109

Tel: (617) 248-5215
Fax: (617) 248-4000

The undersigned, whose title is supplied below, is empowered to sign this Revocation and New Power of Attorney on behalf of the Assignee.

Respectfully submitted,


Name: Frances Toneguzzo
Title: Director, Office for Technology

Dated: 8-1-00